

# **Quad Cities MAAP4 - SAFER/GESTER Comparison**

***Presented by:***

Jeff Gabor

MAAP4 Information Exchange Meeting

Rockville, MD

September 22, 2004

## Overview

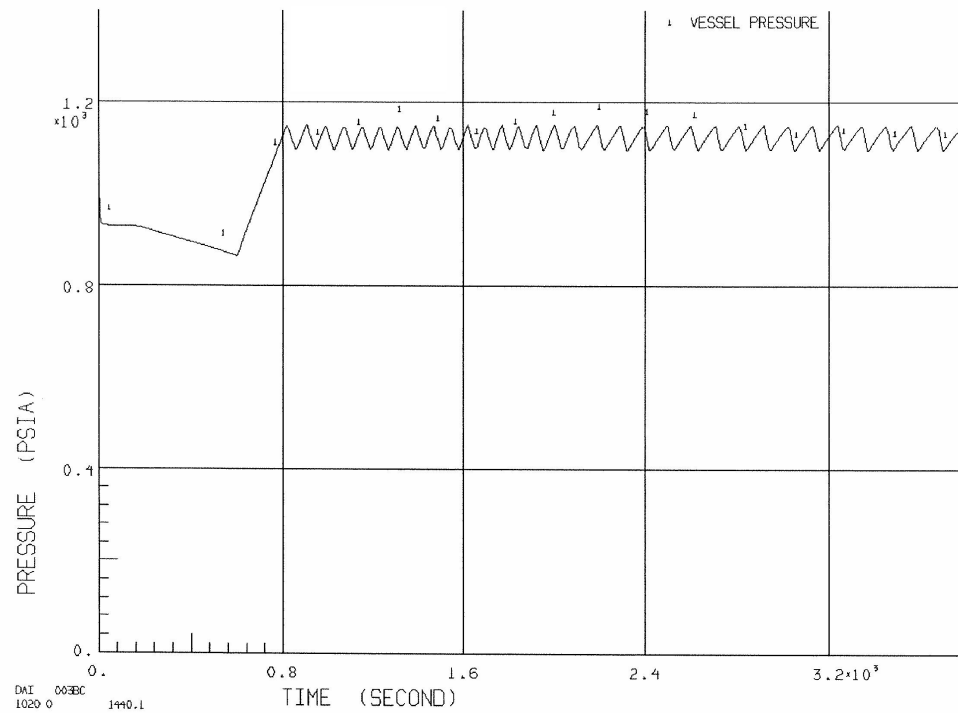
- Quad Cities analysis of Stuck Open Relief Valve
- Analysis performed using SAFER/GESTER (GE) and MAAP 4.0.5
- Focused comparison of boiled-up water level

## Sequence Description

Time	Event description
0	Scram, MSIV closure, Loss of FW, Stuck Open Relief Valve
10 min	RV re-closed
TAF	RCIC started when level reached TAF

Risk Management Team

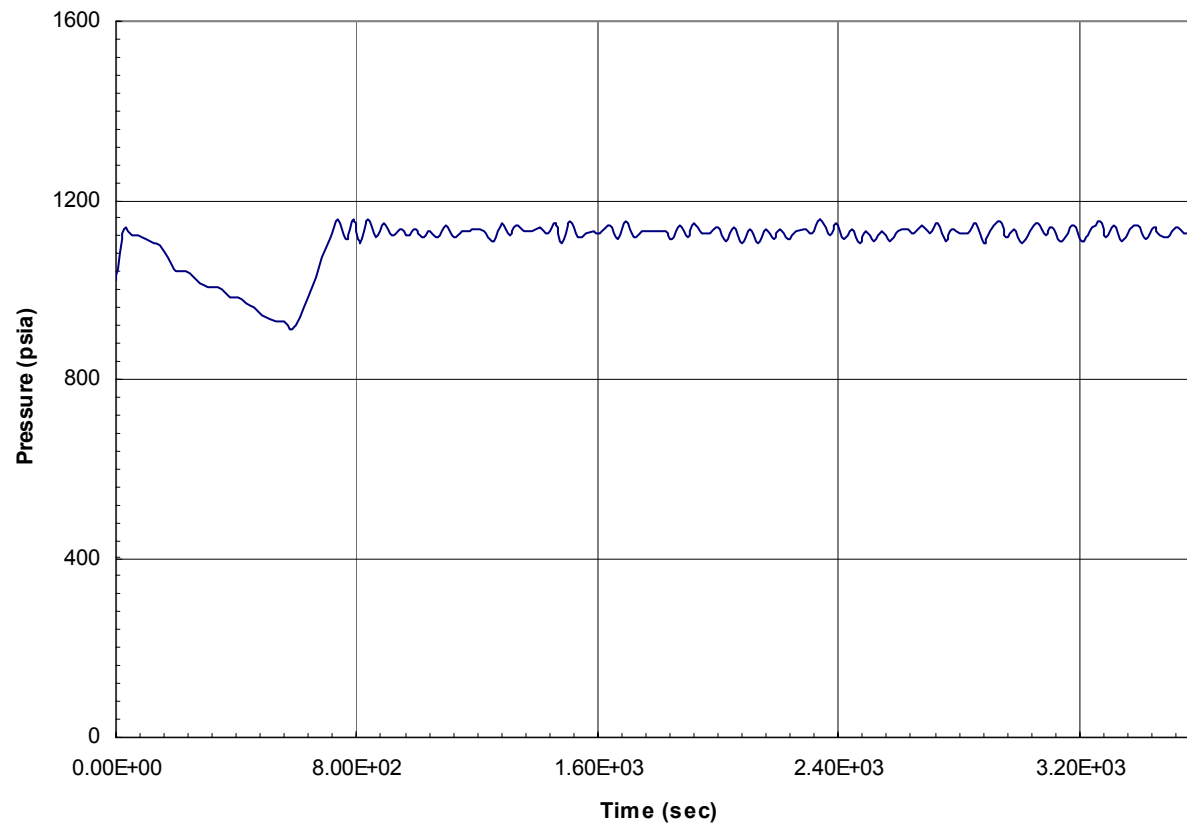
**SAFER/GESTER**



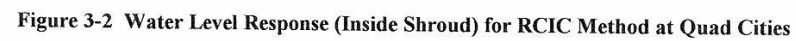
**Figure 3-4 Reactor Pressure Response for RCIC Method at Quad Cities**

Risk Management Team

MAAP 4.0.5

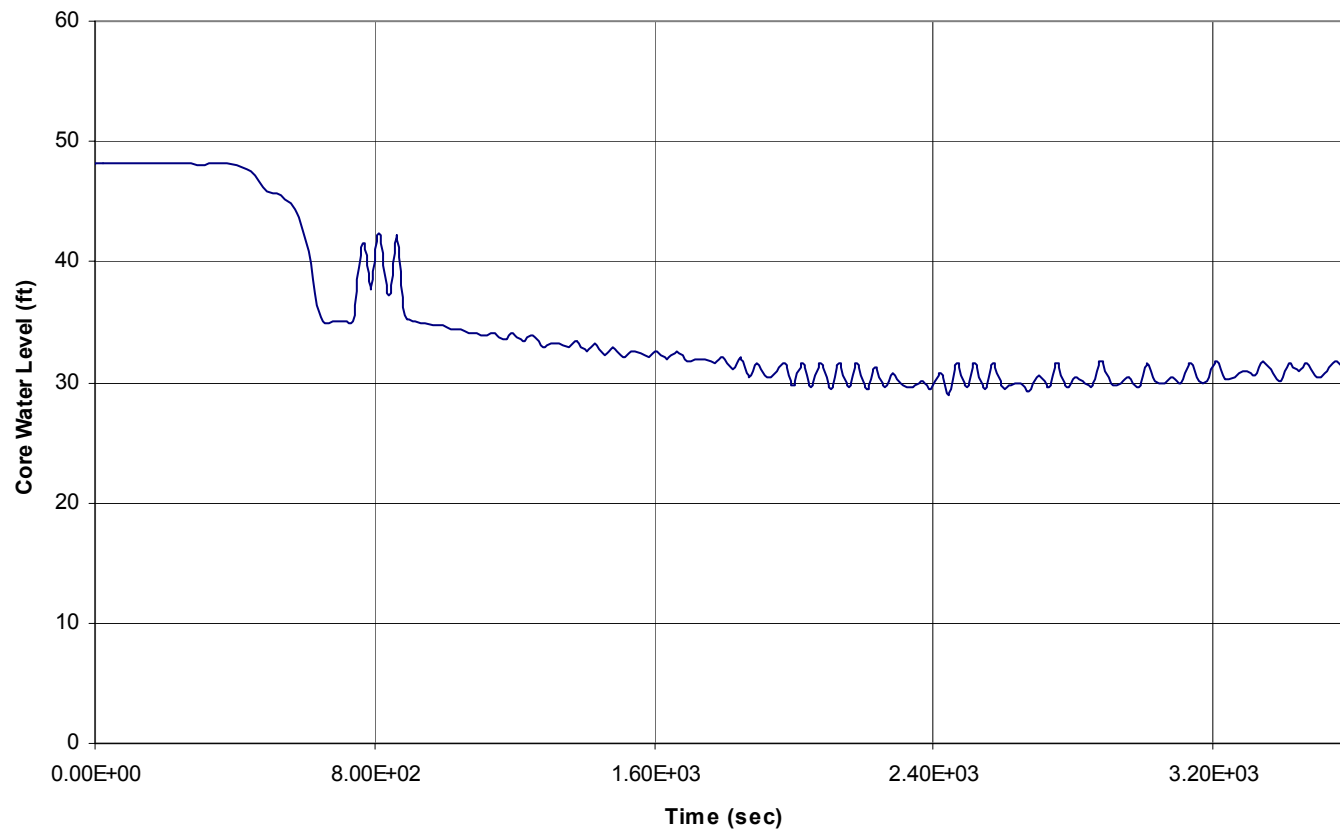


## Nuclear



Risk Management Team

MAAP 4.0.5



## Discussion of Results

- Both codes calculate core uncovering at 32 minutes
- Level and Pressure traces are in excellent agreement